

Converting Colors

CIELCh(28, 2.777, 357.369)

Have a look what the booklet for
CIELCh(28, 2.777, 357.369) contains.

CIELCh(28, 2.343, 3.729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(28, 2.343, 3.729)

Conversions

Conversions Part 1

Format	Color
Hex	464142
RGB	70, 65, 66
RGB Percent	27%, 25%, 26%
CMY	0.7259, 0.7455, 0.7416
CMYK	0.00, 0.07, 0.06, 0.73
HSL	348°, 4%, 26%
HSV	348°, 7%, 27%
XYZ	5.3813, 5.4574, 5.9064
YIQ	66.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

Format	Color
RYB	70, 65, 66
Decimal	4604226
CIELab	28.00, 2.34, 0.15
CIELCh	28, 2.343, 3.729
Yxy	5.4574, 0.3214, 0.3259
Android (android.graphics.Color)	4282794306 (0xFF464142)
YUV	66.6090, -0.3002, 2.9739
Hunter-Lab	23.3610, 0.2362, 1.3623

Details

The CIELCh color **28, 2.343, 3.729** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 2.283, 182.811**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 2.128, 3.452**, and **8, 2.117, 19.917** is the 20% darker color. If you saturate the color by 10%, you get **26, 5.749, 4.718**, and if you desaturate by 10%, it is **30, 0.908, 183.319**.

Distribution



 Red (27%)

 Green (25%)

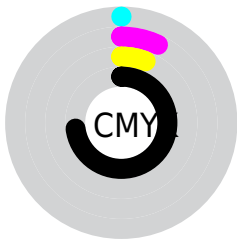
 Blue (26%)



 Red (27%)

 Yellow (25%)

 Blue (26%)

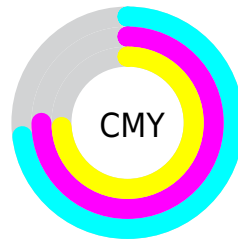


 Cyan (0%)

 Magenta (7%)

 Yellow (6%)

 Black (73%)



 Cyan (73%)

 Magenta (75%)

 Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 2.343, 3.729 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 28, 2.343, 3.729 by changing the saturation by 10% instead.

■ 28, 2.343, 3.729

■ 28, 2.343, 3.729

100, 2.343, 3.729

■ 18, 2.343, 3.729

■ 48, 2.343, 3.729

■ 8, 2.343, 3.729

■ 58, 2.343, 3.729

■ 0, 2.343, 3.729

■ 68, 2.343, 3.729

■ 78, 2.343, 3.729

■ 88, 2.343, 3.729

■ 98, 2.343, 3.729

■ 28, 2.343, 3.729

■ 28, 2.343, 3.729

■ 26, 5.749, 4.718

■ 30, 0.908, 183.319

23, 9.302, 5.796	33, 4.001, 182.413
21, 12.972, 7.057	35, 6.942, 181.764
19, 16.712, 8.564	37, 9.740, 181.194
17, 20.447, 10.394	40, 12.406, 180.681
16, 24.074, 12.642	42, 14.951, 180.215
14, 27.478, 15.416	45, 17.387, 179.789
13, 30.548, 18.719	47, 19.724, 179.396
12, 33.506, 20.561	49, 21.972, 179.034

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28, 2.343, 3.729



29, 2.283, 182.811

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28, 2.343, 3.729



28, 2.343, 53.729



28, 2.343, 183.729



28, 2.343, 233.729

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28, 2.342, 3.745



38, 0.813, 3.075



28, 3.703, 319.064



19, 0.455, 3.008



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 2.342, 3.745



36, 3.716, 3.962



28, 1.844, 51.013



13, 1.864, 3.889



19, 45.265, 25.828



48, 85.704, 30.255

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28, 2.342, 3.745



36, 3.716, 3.962



29, 1.785, 232.148



13, 1.864, 3.889



19, 45.265, 25.828



48, 85.704, 30.255

Previews

White Background



This preview shows how the CIELCh color 28, 2.343, 3.729 looks on a white background.

Color Contrast Check

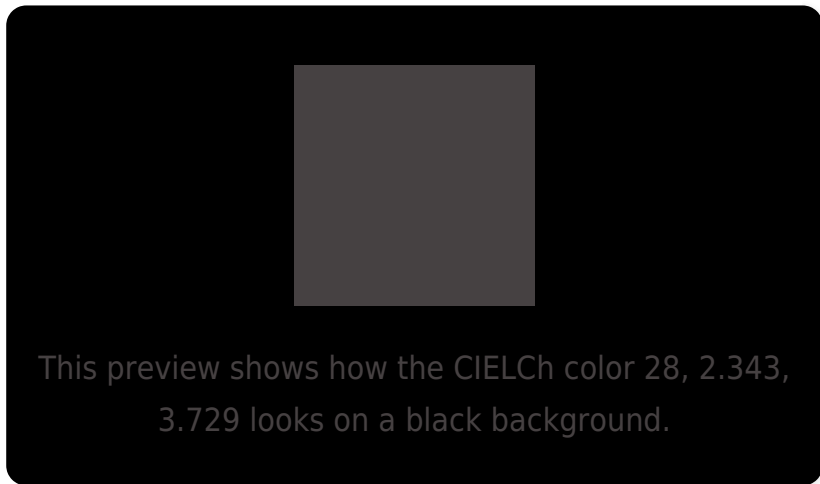
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

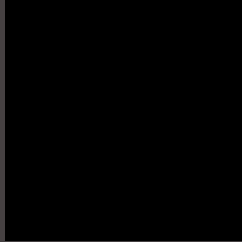
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 2.343, 3.729

Background



This preview shows how black text looks on a background with the CIELCh color 28, 2.343, 3.729.

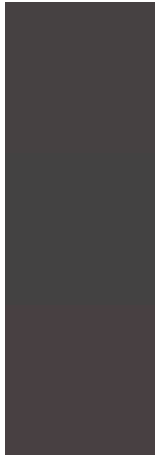


This preview shows how white text looks on a background with the CIELCh color 28, 2.343, 3.729.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28, 2.343, 3.729

Protanopia

28, 0.446, 18.918

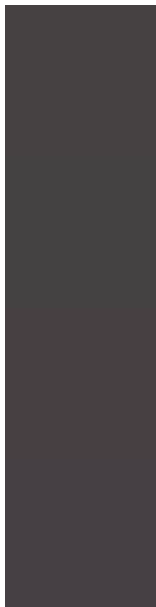
Deuteranopia

28, 3.840, 0.404



Tritanopia
28, 4.210, 329.816

Trichromacy



Original Color

28, 2.343, 3.729

Protanomaly

28, 0.894, 19.275

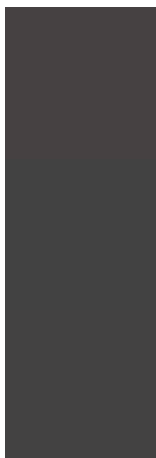
Deuteranomaly

28, 3.415, 357.724

Tritanomaly

28, 3.738, 336.155

Monochromacy



Original Color

28, 2.343, 3.729

Achromatopsia

28, 0.004, 296.813

Achromatomaly

28, 0.446, 18.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 2.343, 3.729 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(70, 65, 66)` looks like.

```
.text, #text, p{  
    color:rgb(70, 65, 66)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(70, 65, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 65, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 2.343, 3.729 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 65, 66) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(70, 65, 66) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(70, 65, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 65, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 65, 66);  
box-shadow:4px 4px 4px 4px rgb(70, 65, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 2.343, 3.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 65, 66) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(70, 65,  
66) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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